

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-324522
(43)Date of publication of application : 24.11.2000

(51)Int.Cl. H04Q 3/52
H04B 10/02
H04L 12/28
H04M 3/22
H04Q 11/04

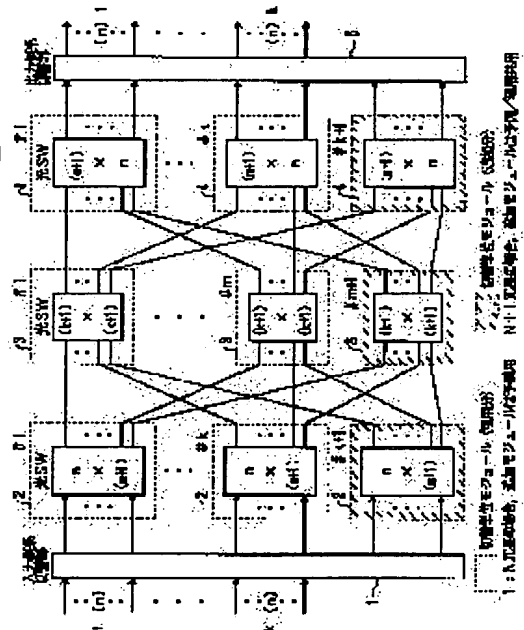
(21)Application number : 11-127881 (71)Applicant : FUJITSU LTD
(22)Date of filing : 10.05.1999 (72)Inventor : KUROYANAGI TOMOJI
NISHI TETSUYA
NAKAJIMA ICHIRO
MAEDA TAKUJI
TSUYAMA ISAO

(54) OPTICAL CROSS-CONNECTING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To reduce the hardware quantity of redundant constitution of optical switches connected in three stages and to prevent a signal break in system switching.

SOLUTION: The optical cross-connecting device is equipped with a 1st stage including a switching module including $(k)n \times (m+1)$ optical switches where (n) units of light signals are inputted and standby $n \times (m+1)$ optical switches, a 3rd stage including including $(k) (m+1) \times n$ optical switches generating (n) units of outputs and one standby $(m+1) \times n$ optical switch, and a 2nd stage including $(m) (k+1) \times (k+1)$ optical switches provided in units of $(k+1)$ output signals from the 1st stage and generating $(k+1)$ units of outputs to the 3rd stage and one $(k+1) \times (k+1)$ optical switch. Then the device is equipped with an input-side system switching part 1 which makes switching connections between nk input optical transmission lines and inputs to respective switching modules of the 1st stage and an output-side system switching part 5 which makes switching connections between the output of the 3rd stage and the nk output optical transmission lines.



LEGAL STATUS

[Date of request for examination] 29.10.2002
[Date of sending the examiner's decision of rejection]
[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]
[Date of final disposal for application]
[Patent number]
[Date of registration]
[Number of appeal against examiner's decision of rejection]
[Date of requesting appeal against examiner's decision of rejection]
[Date of extinction of right]